

Title (en)

Device and computerprogram for determination of blood flow in an area of tissue or organ

Title (de)

Vorrichtung und Computerprogramm zur Bestimmung des Blutflusses in einer Gewebe- oder Organregion

Title (fr)

Dispositif et programme informatique pour déterminer le débit sanguin dans une région d'un tissu ou organe

Publication

EP 1254630 B1 20070214 (DE)

Application

EP 02008664 A 20020417

Priority

DE 10120980 A 20010501

Abstract (en)

[origin: EP1254630A2] Exogenous chromophore administration is followed by measurement of local fluorescence intensity, in an organ or tissue. This measurement is made over time and produces a fluorescence curve f(t). Blood flow rate is determined from the measured chromophore infusion rate. An Independent claim is also included for corresponding apparatus and a computer program.

IPC 8 full level

G06F 17/00 (2006.01); **A61B 5/00** (2006.01); **A61B 5/026** (2006.01); **A61B 5/0275** (2006.01)

CPC (source: EP US)

A61B 5/0059 (2013.01 - EP US); **A61B 5/0261** (2013.01 - EP US); **A61B 5/0275** (2013.01 - EP US)

Citation (examination)

US 5074306 A 19911224 - GREEN HOWARD A [US], et al

Cited by

EP2073706A4; US7248356B2; US9671340B2; WO2012013247A1; US9433350B2; US9129366B2; US9320438B2; US9351644B2; US9357931B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 1254630 A2 20021106; **EP 1254630 A3 20040121**; **EP 1254630 B1 20070214**; DE 10120980 A1 20021121; DE 10120980 B4 20091203; DE 50209454 D1 20070329; ES 2280449 T3 20070916; US 2002183621 A1 20021205; US 6853857 B2 20050208

DOCDB simple family (application)

EP 02008664 A 20020417; DE 10120980 A 20010501; DE 50209454 T 20020417; ES 02008664 T 20020417; US 13465002 A 20020430